



RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 10 / 734,661
Source: oipe
Date Processed by STIC: 12-30-03

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, TELEPHONE: 703-308-4212; FAX: 703-308-4221

Effective 12/13/03: TELEPHONE: 571-272-2510; FAX: 571-273-0221

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 4.1 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker/chkr41note.htm>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<<http://www.uspto.gov/ebc/efs/downloads/documents.htm>> , EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
3. Hand Carry directly to (EFFECTIVE 12/01/03):
U.S. Patent and Trademark Office, Box Sequence, Customer Window, Lobby, Room 1B03, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202
4. Federal Express, United Parcel Service, or other delivery service to: U.S. Patent and Trademark Office, Box Sequence, Room 1B03-Mailroom, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202

Revised 10/08/03

Raw Sequence Listing Error Summary

ERROR DETECTED	SUGGESTED CORRECTION	SERIAL NUMBER: 10/734,661
ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE		
1 _____ Wrapped Nucleics Wrapped Aminos	The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor after creating it. Please adjust your right margin to .3; this will prevent "wrapping."	
2 _____ Invalid Line Length	The rules require that a line not exceed 72 characters in length. This includes white spaces.	
3 _____ Misaligned Amino Numbering	The numbering under each 5 th amino acid is misaligned. Do not use tab codes between numbers; use space characters, instead.	
4 _____ Non-ASCII	The submitted file was not saved in ASCII(DOS) text, as required by the Sequence Rules. Please ensure your subsequent submission is saved in ASCII text.	
5 _____ Variable Length	Sequence(s) _____ contain n's or Xaa's representing more than one residue. Per Sequence Rules, each n or Xaa can only represent a single residue. Please present the maximum number of each residue having variable length and indicate in the <220>-<223> section that some may be missing.	
6 _____ PatentIn 2.0 "bug"	A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequences(s) _____. Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. This applies to the mandatory <220>-<223> sections for Artificial or Unknown sequences.	
7 _____ Skipped Sequences (OLD RULES)	Sequence(s) _____ missing. If intentional, please insert the following lines for each skipped sequence: (2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown) (i) SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading) (xi) SEQUENCE DESCRIPTION:SEQ ID NO:X: (insert SEQ ID NO where "X" is shown) This sequence is intentionally skipped Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to include the skipped sequences.	
8 _____ Skipped Sequences (NEW RULES)	Sequence(s) _____ missing. If intentional, please insert the following lines for each skipped sequence. <210> sequence id number <400> sequence id number 000	
9 _____ Use of n's or Xaa's (NEW RULES)	Use of n's and/or Xaa's have been detected in the Sequence Listing. Per 1.823 of Sequence Rules, use of <220>-<223> is MANDATORY if n's or Xaa's are present. In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.	
10 <input checked="" type="checkbox"/> Invalid <213> Response	Per 1.823 of Sequence Rules, the only valid <213> responses are: Unknown, Artificial Sequence, or scientific name (Genus/species). <220>-<223> section is required when <213> response is Unknown or is Artificial Sequence	
11 _____ Use of <220>	Sequence(s) _____ missing the <220> "Feature" and associated numeric identifiers and responses. Use of <220> to <223> is MANDATORY if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section. (See "Federal Register," 00/01/1998, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of Sequence Rules)	
12 _____ PatentIn 2.0 "bug"	Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.	
13 _____ Misuse of n/Xaa	"n" can only represent a single nucleotide; "Xaa" can only represent a single amino acid	



II

RAW SEQUENCE LISTING

DATE: 12/30/2003

PATENT APPLICATION: US/10/734,661

TIME: 10:52:00

Input Set : A:\081408-04400.ST25.txt

Output Set: N:\CRF4\12302003\J734661.raw

3 <110> APPLICANT: ProChon Biotech, Ltd.
 4 MorphoSys AG
 5 Yayon, Avner
 6 Thomassen-Wolf, Elisabeth
 7 Rom, Eran
 8 Borges, Eric
 10 <120> TITLE OF INVENTION: ANTIBODIES THAT BLOCK RECEPTOR PROTEIN TYROSINE KINASE ACTIVATION
 12 <130> FILE REFERENCE: 81408-4400
 > 14 <140> CURRENT APPLICATION NUMBER: US/10/734,661
 > 14 <141> CURRENT FILING DATE: 2003-12-15
 14 <150> PRIOR APPLICATION NUMBER: US 60/299,187
 15 <151> PRIOR FILING DATE: 2001-06-20
 17 <150> PRIOR APPLICATION NUMBER: PCT/IL02/00494
 18 <151> PRIOR FILING DATE: 2002-06-20
 20 <160> NUMBER OF SEQ ID NOS: 106
 22 <170> SOFTWARE: PatentIn version 3.2
 24 <210> SEQ ID NO: 1
 25 <211> LENGTH: 806
 26 <212> TYPE: PRT
 27 <213> ORGANISM: Homo sapiens
 29 <300> PUBLICATION INFORMATION:
 30 <308> DATABASE ACCESSION NO: np_000133
 31 <309> DATABASE ENTRY DATE: 2001-02-21
 32 <313> RELEVANT RESIDUES: (1)..(806)
 34 <400> SEQUENCE: 1
 36 Met Gly Ala Pro Ala Cys Ala Leu Ala Leu Cys Val Ala Val Ala Ile
 37 1 5 10 15
 40 Val Ala Gly Ala Ser Ser Glu Ser Leu Gly Thr Glu Gln Arg Val Val
 41 20 25 30
 44 Gly Arg Ala Ala Glu Val Pro Gly Pro Glu Pro Gly Gln Gln Glu Gln
 45 35 40 45
 48 Leu Val Phe Gly Ser Gly Asp Ala Val Glu Leu Ser Cys Pro Pro Pro
 49 50 55 60
 52 Gly Gly Gly Pro Met Gly Pro Thr Val Trp Val Lys Asp Gly Thr Gly
 53 65 70 75 80
 56 Leu Val Pro Ser Glu Arg Val Leu Val Gly Pro Gln Arg Leu Gln Val
 57 85 90 95
 60 Leu Asn Ala Ser His Glu Asp Ser Gly Ala Tyr Ser Cys Arg Gln Arg
 61 100 105 110
 64 Leu Thr Gln Arg Val Leu Cys His Phe Ser Val Arg Val Thr Asp Ala
 65 115 120 125
 68 Pro Ser Ser Gly Asp Asp Glu Asp Gly Glu Asp Glu Ala Glu Asp Thr
 69 130 135 140

Does Not Comply
Corrected Diskette Needed

7.4.6

RAW SEQUENCE LISTING

DATE: 12/30/2003

PATENT APPLICATION: US/10/734,661

TIME: 10:52:00

Input Set : A:\081408-04400.ST25.txt

Output Set: N:\CRF4\12302003\J734661.raw

```

72 Gly Val Asp Thr Gly Ala Pro Tyr Trp Thr Arg Pro Glu Arg Met Asp
73 145 150 155 160
76 Lys Lys Leu Leu Ala Val Pro Ala Ala Asn Thr Val Arg Phe Arg Cys
77 165 170 175
80 Pro Ala Ala Gly Asn Pro Thr Pro Ser Ile Ser Trp Leu Lys Asn Gly
81 180 185 190
84 Arg Glu Phe Arg Gly Glu His Arg Ile Gly Gly Ile Lys Leu Arg His
85 195 200 205
88 Gln Gln Trp Ser Leu Val Met Glu Ser Val Val Pro Ser Asp Arg Gly
89 210 215 220
92 Asn Tyr Thr Cys Val Val Glu Asn Lys Phe Gly Ser Ile Arg Gln Thr
93 225 230 235 240
96 Tyr Thr Leu Asp Val Leu Glu Arg Ser Pro His Arg Pro Ile Leu Gln
97 245 250 255
100 Ala Gly Leu Pro Ala Asn Gln Thr Ala Val Leu Gly Ser Asp Val Glu
101 260 265 270
104 Phe His Cys Lys Val Tyr Ser Asp Ala Gln Pro His Ile Gln Trp Leu
105 275 280 285
108 Lys His Val Glu Val Asn Gly Ser Lys Val Gly Pro Asp Gly Thr Pro
109 290 295 300
112 Tyr Val Thr Val Leu Lys Thr Ala Gly Ala Asn Thr Thr Asp Lys Glu
113 305 310 315 320
116 Leu Glu Val Leu Ser Leu His Asn Val Thr Phe Glu Asp Ala Gly Glu
117 325 330 335
120 Tyr Thr Cys Leu Ala Gly Asn Ser Ile Gly Phe Ser His His Ser Ala
121 340 345 350
124 Trp Leu Val Val Leu Pro Ala Glu Glu Glu Leu Val Glu Ala Asp Glu
125 355 360 365
128 Ala Gly Ser Val Tyr Ala Gly Ile Leu Ser Tyr Gly Val Gly Phe Phe
129 370 375 380
132 Leu Phe Ile Leu Val Val Ala Ala Val Thr Leu Cys Arg Leu Arg Ser
133 385 390 395 400
136 Pro Pro Lys Lys Gly Leu Gly Ser Pro Thr Val His Lys Ile Ser Arg
137 405 410 415
140 Phe Pro Leu Lys Arg Gln Val Ser Leu Glu Ser Asn Ala Ser Met Ser
141 420 425 430
144 Ser Asn Thr Pro Leu Val Arg Ile Ala Arg Leu Ser Ser Gly Glu Gly
145 435 440 445
148 Pro Thr Leu Ala Asn Val Ser Glu Leu Glu Leu Pro Ala Asp Pro Lys
149 450 455 460
152 Trp Glu Leu Ser Arg Ala Arg Leu Thr Leu Gly Lys Pro Leu Gly Glu
153 465 470 475 480
156 Gly Cys Phe Gly Gln Val Val Met Ala Glu Ala Ile Gly Ile Asp Lys
157 485 490 495
160 Asp Arg Ala Ala Lys Pro Val Thr Val Ala Val Lys Met Leu Lys Asp
161 500 505 510
164 Asp Ala Thr Asp Lys Asp Leu Ser Asp Leu Val Ser Glu Met Glu Met
165 515 520 525
168 Met Lys Met Ile Gly Lys His Lys Asn Ile Ile Asn Leu Leu Gly Ala

```

RAW SEQUENCE LISTING

DATE: 12/30/2003

PATENT APPLICATION: US/10/734,661

TIME: 10:52:00

Input Set : A:\081408-04400.ST25.txt

Output Set: N:\CRF4\12302003\J734661.raw

```

169      530      535      540
172 Cys Thr Gln Gly Gly Pro Leu Tyr Val Leu Val Glu Tyr Ala Ala Lys
173 545      550      555      560
176 Gly Asn Leu Arg Glu Phe Leu Arg Ala Arg Arg Pro Pro Gly Leu Asp
177      565      570      575
180 Tyr Ser Phe Asp Thr Cys Lys Pro Pro Glu Glu Gln Leu Thr Phe Lys
181      580      585      590
184 Asp Leu Val Ser Cys Ala Tyr Gln Val Ala Arg Gly Met Glu Tyr Leu
185      595      600      605
188 Ala Ser Gln Lys Cys Ile His Arg Asp Leu Ala Ala Arg Asn Val Leu
189      610      615      620
192 Val Thr Glu Asp Asn Val Met Lys Ile Ala Asp Phe Gly Leu Ala Arg
193 625      630      635      640
196 Asp Val His Asn Leu Asp Tyr Tyr Lys Lys Thr Thr Asn Gly Arg Leu
197      645      650      655
200 Pro Val Lys Trp Met Ala Pro Glu Ala Leu Phe Asp Arg Val Tyr Thr
201      660      665      670
204 His Gln Ser Asp Val Trp Ser Phe Gly Val Leu Leu Trp Glu Ile Phe
205      675      680      685
208 Thr Leu Gly Gly Ser Pro Tyr Pro Gly Ile Pro Val Glu Glu Leu Phe
209      690      695      700
212 Lys Leu Leu Lys Glu Gly His Arg Met Asp Lys Pro Ala Asn Cys Thr
213 705      710      715      720
216 His Asp Leu Tyr Met Ile Met Arg Glu Cys Trp His Ala Ala Pro Ser
217      725      730      735
220 Gln Arg Pro Thr Phe Lys Gln Leu Val Glu Asp Leu Asp Arg Val Leu
221      740      745      750
224 Thr Val Thr Ser Thr Asp Glu Tyr Leu Asp Leu Ser Ala Pro Phe Glu
225      755      760      765
228 Gln Tyr Ser Pro Gly Gly Gln Asp Thr Pro Ser Ser Ser Ser Gly
229      770      775      780
232 Asp Asp Ser Val Phe Ala His Asp Leu Leu Pro Pro Ala Pro Pro Ser
233 785      790      795      800
236 Ser Gly Gly Ser Arg Thr
237      805

```

240 <210> SEQ ID NO: 2

241 <211> LENGTH: 32

242 <212> TYPE: DNA

243 <213> ORGANISM: Artificial Sequence

245 <220> FEATURE:

246 <223> OTHER INFORMATION: artificial primer

248 <400> SEQUENCE: 2

249 acgtgctagc tgagtccttg gggacggagc ag

32

252 <210> SEQ ID NO: 3

253 <211> LENGTH: 55

254 <212> TYPE: DNA

255 <213> ORGANISM: Artificial Sequence

257 <220> FEATURE:

258 <223> OTHER INFORMATION: artificial primer

RAW SEQUENCE LISTING

DATE: 12/30/2003

PATENT APPLICATION: US/10/734,661

TIME: 10:52:00

Input Set : A:\081408-04400.ST25.txt

Output Set: N:\CRF4\12302003\J734661.raw

260 <400> SEQUENCE: 3

261 acgtctcgag ttaatggtga tggatgatgt gtgcatacac acagcccgcg tcgtc

55

264 <210> SEQ ID NO: 4

265 <211> LENGTH: 1147

266 <212> TYPE: DNA

267 <213> ORGANISM: Homo sapiens

269 <300> PUBLICATION INFORMATION:

270 <308> DATABASE ACCESSION NO: m58051

271 <309> DATABASE ENTRY DATE: 1994-11-08

272 <313> RELEVANT RESIDUES: (1)..(1147)

274 <400> SEQUENCE: 4

275 gcgcgctgcc tgaggacgcc gcggcccccgc ccccgcccat gggcgccctt gcctgcgccc 60

277 tcgcgctctg cgtggccgtg gccatcgtgg ccggcgccctc ctcgaggtcc ttggggacgg 120

279 agcagcgctg cgtggggcga gcggcagaag tccccggccc agagcccggc cagcaggagc 180

281 agttggtctt cggcagcggg gatgctgtgg agctgagctg tccccgccc gggggtggtc 240

283 ccatggggcc cactgtcttg gtcaaggatg gcacagggtt ggtgccctcg gagcgtgtcc 300

285 tgggtggggcc ccagcggctg caggtgctga atgctccca cgaggactcc ggggcctaca 360

287 gctgccggca gcggctcacg cagcgcgtac tgtgccactt cagtgtgcgg gtgacagacg 420

289 ctccatcctc gggagatgac gaagacgggg aggacgaggg tgaggacaca ggtgtggaca 480

291 caggggcccc ttactggaca cggcccgcgc ggtgggacaa gaagctgctg gccgtgccgg 540

293 ccgccaacac cgtccgcttc cgtgccacg ccgctggcaa cccactccc tccatctcct 600

295 ggctgaagaa cggcagggag ttccgcggcg agcacgcgat tggaggcatc aagctgcggc 660

297 atcagcagtg gagcctggtc atggaaagcg tggtgccctc ggaccgcggc aactacacct 720

299 gcgtcgtgga gaacaagttt ggcagcatcc ggcagacgta cacgctggac gtgctggagc 780

301 gctccccgca ccggcccatc ctgcaggcgg ggctgccggc caaccagacg gcggtgctgg 840

303 gcagcgacgt ggaggttcac tgcaagggtg acagtgcgc acagcccac atccagtggc 900

305 tcaagcacgt ggaggtgaac ggcagcaagg tgggcccggc cggcacacc tacgttaccg 960

307 tgctcaagac ggcgggcgct aacaccaccg acaaggagct agaggttctc tccttgca 1020

309 acgtcacctt tgaggacgcc ggggagtaca cctgcctggc gggcaattct attgggtttt 1080

311 ctcatcactc tgcgtggctg gtggtgctgc cagccgagga ggagctggtg gaggtgacg 1140

313 aggcggg 1147

316 <210> SEQ ID NO: 5

317 <211> LENGTH: 5695

318 <212> TYPE: DNA

319 <213> ORGANISM: EXPRESSION VECTOR pCEP-PU/AC7see item 10 on error
summary report.

321 <400> SEQUENCE: 5

322 gacggatcgg gagatctccc gatccctat ggtcgactct cagtacaatc tgctctgatg 60

324 ccgcatagtt aagccagtat ctgctccctg cttgtgtgtt ggaggctcgt gagtagtgcg 120

326 cgagcaaaat ttaagctaca acaaggcaag gcttgaccga caattgcatg aagaatctgc 180

328 ttagggttag gcgttttgcg ctgcttcgcg atgtacgggc cagatatacg cgttgacatt 240

330 gattattgac tagttattaa tagtaatcaa ttacggggtc attagttcat agcccatata 300

332 tggagttccg cgttacataa cttacggtaa atggcccgcc tggctgaccg cccaacgacc 360

334 cccgcccatt gaagtcaata atgacgtatg tcccatagt aacgccaata gggactttcc 420

336 attgacgtca atgggtggac tatttacggt aaactgocca cttggcagta catcaagtgt 480

338 atcatatgcc aagtaacccc cctattgacg tcaatgacgg taaatggccc gcctggcatt 540

340 atgccagta catgacctta tgggactttc ctacttggca gtacatctac gtattagtca 600

342 tcgctattac catggtgatg cggttttggc agtacatcaa tggcggtgga tagcggtttg 660

344 actcacgggg atttccaagt ctccacccca ttgacgtcaa tgggagtttg ttttggcacc 720

346 aaaatcaacg ggactttcca aaatgtcgta acaactccgc cccattgacg caaatggggc 780

RAW SEQUENCE LISTING

DATE: 12/30/2003

PATENT APPLICATION: US/10/734,661

TIME: 10:52:00

Input Set : A:\081408-04400.ST25.txt

Output Set: N:\CRF4\12302003\J734661.raw

348	gtaggcgtgt	acggtgggag	gtctatataa	gcagagctct	ctggctaact	agagaaccca	840
350	ctgcttactg	gcttatcgaa	attaatacga	ctcactatag	ggagacccaa	gctggctagc	900
352	gtttaaactt	aagcttggtg	ccgagctcgg	atccccgtcg	tgcatctatc	gaaggctcgtg	960
354	gagatcccga	ggagcccåaa	tcttgtgaca	aaactcacac	atgccaccg	tgcccagcac	1020
356	ctgaactcct	ggggggaccg	tcagtcttcc	tcttcccccc	aaaacccaag	gacaccctca	1080
358	tgatctcccg	gaccctgag	gtcacatgcg	tgggtggtgga	cgtgagccac	gaagaccctg	1140
360	aggtcaagtt	caactggtac	gtggacggcg	tggaggtgca	taatgccaa	acaaagccgc	1200
362	gggaggagca	gtacaacagc	acgtaccggg	tggtcagcgt	cctcacccgtc	ctgcaccagg	1260
364	actggctgaa	tggcaaggag	tacaagtgca	aggtctccaa	caaagccctc	ccagcccca	1320
366	tcgagaaaac	catctccaaa	gccaaagggc	agccccgaga	accacagggtg	tacaccctgc	1380
368	ccccatcccg	ggatgagctg	accaagaacc	aggtcagcct	gacctgcctg	gtcaaaggct	1440
370	tctatcccag	cgacatcgcc	gtggagtggg	agagcaatgg	gcagccggag	aacaactaca	1500
372	agaccacgcc	tcccgtgctg	gactccgacg	gctccttctt	cctctacagc	aagctcaccg	1560
374	tggacaagag	caggtggcag	caggggaacg	tcttctcatg	ctccgtgatg	catgaggtc	1620
376	tgcacaacca	ctacacgcag	aagagcctct	ccctgtctcc	gggtaaatga	tctagagggc	1680
378	ccgtttaaac	ccgtgatca	gcctcgactg	tgccttctag	ttgccagcca	tctgttgttt	1740
380	gccccctccc	cgtgccttcc	ttgaccctgg	aaggtgccac	tcccactgtc	ctttccta	1800
382	aaaatgagga	aattgcatcg	cattgtctga	gtaggtgtca	ttctattctg	gggggtggg	1860
384	tggggcagga	cagcaagggg	gaggattggg	aagacaatag	caggcatgct	ggggatgcg	1920
386	tgggctctat	ggcttctgag	gcggaagaa	ccagctgggg	ctctagggg	tatccccacg	1980
388	cgccctgtag	cggcgcatga	agcgcgcg	gtgtggtggt	tacgcgcagc	gtgaccgcta	2040
390	cacttgccag	cgcctagcg	cccgctcctt	tcgcttctt	cccttccctt	ctcgccacgt	2100
392	tcgcgcgctt	tccccgtcaa	gctctaaatc	ggggcatccc	tttagggttc	cgatttagtg	2160
394	ctttacggca	cctcgacccc	aaaaaacttg	attaggggtga	tggttcacgt	agtgggccat	2220
396	cgccttgata	gaocgttttt	cgccttttga	cgttggagtc	cacgttcttt	aatagtggac	2280
398	tcttgttcca	aactggaaca	acaactcaacc	ctatctcggg	ctattctttt	gatttataag	2340
400	ggattttggg	gatttcggcc	tattggttaa	aaaatgagct	gatttaacaa	aaatttaacg	2400
402	cgaattaatt	ctgtggaatg	tgtgtcagtt	aggggtgtgga	aagtccccag	gctccccagg	2460
404	caggcagaag	tatgcaaagc	atgcatctca	attagtcagc	aaccagggtg	ggaaagtccc	2520
406	caggctcccc	agcaggcaga	agtatgcaaa	gcatgcatct	caattagtca	gcaaccatag	2580
408	tcccgccct	aactccgccc	atcccgcccc	taactccgcc	cagttccgcc	cattctccgc	2640
410	cccatggctg	actaattttt	tttattttatg	cagaggccga	ggccgcctct	gcctctgagc	2700
412	tattccagaa	gtagttagga	ggcttttttg	gaggccctagg	cttttgcaaa	aagctcccgg	2760
414	gagcttgat	atccattttc	ggatctgate	agcaogtgtt	gacaattaat	catcggcata	2820
416	gtatatcggc	atagtataat	acgacaaggt	gaggaaactaa	accatggcca	agttgaccag	2880
418	tgcctgtccg	gtgctcaccg	cgcgcgacgt	cgcgcggagcg	gtcgagttct	ggacggaccg	2940
420	gctcgggttc	tcccgggact	tcgtggagga	cgacttcgcc	ggtgtggtcc	gggacgacgt	3000
422	gaccctgttc	atcagcgcg	tccaggacca	ggtggtgccc	gacaacaccc	tggcctgggt	3060
424	gtgggtgcgc	ggcctggacg	agctgtacgc	cgagtggctg	gaggtcgtgt	ccacgaactt	3120
426	ccgggacgcc	tccgggccc	ccatgaccga	gatcggcgag	cagccgtggg	ggcgggagtt	3180
428	cgcctgcgc	gacccggccg	gcaactgcgt	gcacttcgtg	gccgaggagc	aggactgaca	3240
430	cgtgctacga	gatttcgatt	ccaccgcgc	cttctatgaa	aggttgggct	tccgaatcgt	3300
432	tttccgggac	gccggctgga	tgatectcca	gcgcggggat	ctcatgctgg	agttcttcgc	3360
434	ccaccccaac	ttgtttattg	cagcttataa	tggttacaaa	taaagcaata	gcatcacaaa	3420
436	tttcacaaat	aaagcatttt	tttcaactgca	ttctagttgt	ggtttgtcca	aactcatcaa	3480
438	tgtatcttat	catgtctgta	taccgtcgac	ctctagctag	agcttggcgt	aatcatggtc	3540
440	atagctgttt	cctgtgtgaa	attgttatcc	gctcaccaat	ccacacaaca	tacgagccgg	3600
442	aagcataaag	tgtaaagcct	gggggtgccta	atgagtgagc	taactcacat	taattgcgtt	3660
444	gcgctcactg	cccgttttcc	agtcgggaaa	cctgtcgtgc	cagctgcatt	aatgaatcgg	3720

RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/10/734,661

DATE: 12/30/2003
TIME: 10:52:01

Input Set : A:\081408-04400.ST25.txt
Output Set: N:\CRF4\12302003\J734661.raw

ase Note:

of n and/or Xaa have been detected in the Sequence Listing. Please review the
uence Listing to ensure that a corresponding explanation is presented in the <220>
<223> fields of each sequence which presents at least one n or Xaa.

#:54; N Pos. 253,254,255
#:56; N Pos. 256,257,258
#:70; N Pos. 1,2,3
#:74; N Pos. 1,2,3
#:81; N Pos. 1,2,3
#:83; N Pos. 1,2,3

VERIFICATION SUMMARY

DATE: 12/30/2003

PATENT APPLICATION: US/10/734,661

TIME: 10:52:01

Input Set : A:\081408-04400.ST25.txt

Output Set: N:\CRF4\12302003\J734661.raw

4 M:270 C: Current Application Number differs, Replaced Current Application No
4 M:271 C: Current Filing Date differs, Replaced Current Filing Date
610 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:54 after pos.:240
660 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:56 after pos.:240
966 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:70 after pos.:0
062 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:74 after pos.:0
232 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:81 after pos.:0
284 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:83 after pos.:0